

Abstract

This present invention relates to an apparatus and method for increasing channel, using multiple modulation of subchannels of low data rates, in a code division multiple access (CDMA) transmit modulator. In order to obtain a plurality of subchannels of low data rates within a traffic channel, a plurality of subchannel encoders are used such that each subchannel data is encoded independently and is then channelized using a plurality of Walsh orthogonal codes. The plurality of channelized subchannel data are combined in a signal and are then transmitted through a traffic channel.

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